# Evaluate Continuing Calibration Report

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA F\Data\BF090917\
Data File : BF098377.D
Acq On : 9 Sep 2017 11:16
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**LabSampleId :** SSTDCCC040

Quant Time: Sep 11 04:44:03 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 05 17:28:20 2017
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 79 | -0.03 |
| 2 | | 1,4-Dioxane | 40.000 | 38.424 | 3.9 | 77 | -0.01 |
| 3 | | Pyridine | 40.000 | 37.724 | 5.7 | 75 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 32.087 | 19.8 | 61 | -0.02 |
| 5 | S | 2-Fluorophenol | 80.000 | 77.587 | 3.0 | 77 | -0.02 |
| 6 | | Aniline | 40.000 | 34.571 | 13.6 | 69 | -0.02 |
| 7 | S | Phenol-d6 | 80.000 | 75.357 | 5.8 | 75 | -0.02 |
| 8 | | 2-Chlorophenol | 40.000 | 40.163 | -0.4 | 79 | -0.02 |
| 9 | | Benzaldehyde | 40.000 | 33.254 | 16.9 | 65 | -0.02 |
| 10 | C | Phenol | 40.000 | 36.717 | 8.2 | 70 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.665 | 0.8 | 79 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.730 | -1.8 | 81 | -0.03 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.895 | 0.3 | 80 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.512 | 1.2 | 79 | -0.02 |
| 15 | | Benzyl Alcohol | 40.000 | 34.248 | 14.4 | 67 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 34.290 | 14.3 | 68 | -0.02 |
| 17 | | 2-Methylphenol | 40.000 | 38.788 | 3.0 | 76 | -0.02 |
| 18 | | Hexachloroethane | 40.000 | 39.478 | 1.3 | 77 | -0.03 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 36.338 | 9.2 | 72 | -0.02 |
| 20 | | 3+4-Methylphenols | 40.000 | 41.480 | -3.7 | 82 | -0.02 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 78 | -0.02 |
| 22 | | Acetophenone | 40.000 | 39.279 | 1.8 | 79 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 86.401 | -8.0 | 82 | -0.02 |
| 24 | | Nitrobenzene | 40.000 | 41.687 | -4.2 | 76 | -0.02 |
| 25 | | Isophorone | 40.000 | 38.005 | 5.0 | 74 | -0.02 |
| 26 | C | 2-Nitrophenol | 40.000 | 49.684 | -24.2# | 102 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.063 | -0.2 | 80 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.509 | 1.2 | 77 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 42.209 | -5.5 | 81 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 41.075 | -2.7 | 81 | -0.03 |
| 31 | | Naphthalene | 40.000 | 39.574 | 1.1 | 79 | -0.02 |
| 32 | | Benzoic acid | 40.000 | 38.071 | 4.8 | 80 | -0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 40.197 | -0.5 | 80 | -0.02 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.911 | -2.3 | 81 | -0.03 |
| 35 | | Caprolactam | 40.000 | 43.036 | -7.6 | 81 | -0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.135 | -0.3 | 77 | -0.02 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.160 | -0.4 | 79 | -0.03 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 80 | -0.02 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.328 | -0.8 | 83 | -0.03 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 36.665 | 8.3 | 70 | -0.03 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 89.161 | -11.5 | 87 | -0.03 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 40.171 | -0.4 | 79 | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 40.398 | -1.0 | 79 | -0.02 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 76.817 | 4.0 | 81 | -0.03 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 39.502 | 1.2 | 81 | -0.03 |
| 46 | | 2-Chloronaphthalene | 40.000 | 38.751 | 3.1 | 80 | -0.03 |
| 47 | | 2-Nitroaniline | 40.000 | 43.580 | -8.9 | 84 | -0.02 |
| 48 | | Acenaphthylene | 40.000 | 38.384 | 4.0 | 78 | -0.03 |
| 49 | | Dimethylphthalate | 40.000 | 40.415 | -1.0 | 82 | -0.03 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 44.339 | -10.8 | 86 | -0.03 |
| 51 | C | Acenaphthene | 40.000 | 37.028 | 7.4 | 76 | -0.03 |
| 52 | | 3-Nitroaniline | 40.000 | 44.313 | -10.8 | 88 | -0.02 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 49.436 | -23.6 | 116 | -0.02 |
| 54 | | Dibenzofuran | 40.000 | 37.261 | 6.8 | 76 | -0.02 |
| 55 | P | 4-Nitrophenol | 40.000 | 35.499 | 11.3 | 69 | -0.02 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 42.888 | -7.2 | 82 | -0.02 |
| 57 | | Fluorene | 40.000 | 40.010 | -0.0 | 83 | -0.03 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.431 | 1.4 | 78 | -0.02 |
| 59 | | Diethylphthalate | 40.000 | 38.258 | 4.4 | 77 | -0.03 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 40.069 | -0.2 | 82 | -0.03 |
| 61 | | 4-Nitroaniline | 40.000 | 47.136 | -17.8 | 92 | -0.03 |
| 62 | | Azobenzene | 40.000 | 35.814 | 10.5 | 72 | -0.03 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 81 | -0.03 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 50.898 | -27.2# | 117 | -0.02 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 39.516 | 1.2 | 81 | -0.03 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 41.121 | -2.8 | 84 | -0.03 |
| 67 | | Hexachlorobenzene | 40.000 | 42.001 | -5.0 | 86 | -0.03 |
| 68 | | Atrazine | 40.000 | 37.461 | 6.3 | 77 | -0.03 |
| 69 | C | Pentachlorophenol | 40.000 | 37.006 | 7.5 | 71 | -0.02 |
| 70 | | Phenanthrene | 40.000 | 38.296 | 4.3 | 80 | -0.03 |
| 71 | | Anthracene | 40.000 | 39.413 | 1.5 | 82 | -0.03 |
| 72 | | Carbazole | 40.000 | 39.350 | 1.6 | 82 | -0.02 |
| 73 | | Di-n-butylphthalate | 40.000 | 41.474 | -3.7 | 83 | -0.04 |
| 74 | C | Fluoranthene | 40.000 | 39.784 | 0.5 | 82 | -0.03 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 89 | -0.04 |
| 76 | | Benzidine | 40.000 | 42.615 | -6.5 | 100 | -0.03 |
| 77 | | Pyrene | 40.000 | 37.623 | 5.9 | 84 | -0.03 |
| 78 | S | Terphenyl-d14 | 80.000 | 74.417 | 7.0 | 84 | -0.03 |
| 79 | | Butylbenzylphthalate | 40.000 | 41.161 | -2.9 | 89 | -0.03 |
| 80 | | Benzo(a)anthracene | 40.000 | 37.182 | 7.0 | 84 | -0.04 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 43.158 | -7.9 | 92 | -0.03 |
| 82 | | Chrysene | 40.000 | 37.145 | 7.1 | 84 | -0.03 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 46.378 | -15.9 | 95 | -0.03 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 45.281 | -13.2 | 95 | -0.03 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 37.070 | 7.3 | 85 | -0.06 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 87 | -0.04 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 38.975 | 2.6 | 84 | -0.04 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 40.730 | -1.8 | 87 | -0.04 |
| 89 C | Benzo(a)pyrene | 40.000 | 40.233 | -0.6 | 86 | -0.04 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 40.795 | -2.0 | 86 | -0.06 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 40.130 | -0.3 | 86 | -0.06 |

(#) = Out of Range SPCC's out = 0 CCC's out = 1